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Approved for use through 07/31/2008. OMB 0651-0031

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**Complete if Known**

Application Number	10/766,116
Filing Date	January 27, 2004
First Named Inventor	Guterman
Art Unit	2827
Examiner Name	V. N. Gupta
Attorney Docket Number	SAND-01016US0

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
W		US- 5,220,531	06/15/1993	Blyth et al.	
		US- 5,313,421	05/17/1994	Guterman et al.	
		US- 5,412,601	05/02/1995	Sawada et al.	
		US- 5,521,865	05/28/1996	Ohuchi et al.	
		US- 5,570,315	10/29/1996	Tanaka et al.	
		US- 5,652,719	07/29/1997	Tanaka et al.	
		US- 5,712,180	01/27/1998	Guterman et al.	
		US- 5,712,815	01/27/1998	Bill et al.	
		US- 5,761,222	06/02/1998	Baldi	
		US- 5,870,344	02/09/1999	Ozawa	
		US- 5,949,714	09/07/1999	Hemink et al.	
		US- 6,151,248	11/21/2000	Harari et al.	
		US- 6,222,762	04/24/2001	Guterman et al.	
		US- 6,266,270	07/24/2001	Nobukata	
		US- 6,301,161	10/09/2001	Holzmann et al.	
	US- 6,317,364	11/13/2001	Guterman et al.		
	US- 6,424,566	07/23/2002	Parker		
	US- 6,522,580	02/18/2003	Chen et al.		
	US- 6,525,964	02/25/2003	Tanaka et al.		

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Examiner Signature	V. Nguyen	Date Considered	9/2/05
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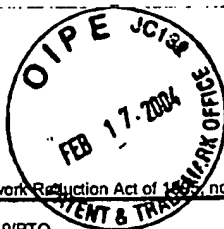
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VIET Q. NGUYEN  
PRIMARY EXAMINER

PTO/SB/08A (08-03)



PTO/SB/088 (08-03)  
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of

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### Complete if Known

Application Number 10/766,116

Filing Date January 27, 2004

First Named Inventor Guterman

Art Unit 2827

Examiner Name V. Q. Nguyen

Attorney Docket Number SAND-01016US0

### NON PATENT LITERATURE DOCUMENTS

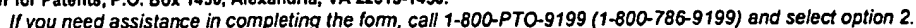
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		KURATA, Hideaki, et al., Constant-Charge-Injection Programming for 10-MB/s Multilevel AG-AND Flash Memories, 2002 Symposium On VLSI Circuits Digest of Technical Papers, pp. 302-303	
		JOHNSON, William S., et al., SESSION XII: ROMs, PROMs and EROMs, 1980 IEEE International Solid State Circuits Conference, pp. 152-153	
		NOBUKATA, Hiromi, et al., A 144Mb 8-Level NAND Flash Memory with Optimized Pulse Width Programming, 1999 Symposium on VLSI Circuits Digest of Technical Papers, pp. 39-40	
		OHKAWA, Masayoshi, et al., TP 2.3: A 98 mm2 3.3V 64Mb Flash Memory with FN-NOR Type 4-level Cell, 1996 IEEE International Solid-State Circuits Conference, pp. 36-37	

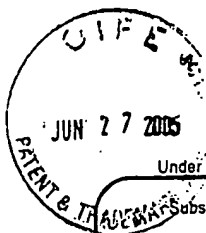
Examiner Signature	V. Nguyen	Date Considered	9/2/05
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

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Examiner Name	V. Nguyen
Attorney Docket Number	SAND-01016US0

Sheet 1 of 1

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
W		US- 5,926,409	7/20/1999	Engh et al.	
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**VIET Q. NGUYEN  
PRIMARY EXAMINER****FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner  
Signature

V. Nguyen

Date  
Considered

9/2/05

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